

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 3    | "3750044".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/06<br>16:18 |
| L2    | 11   | ("2907838").PN. OR<br>("3750044").URPN.                  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/05/06<br>16:19 |
| L3    | 1    | "5524022".pn.  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/05/06<br>16:22 |
| L4    | 4    | ("4621355"   "4891841").<br>PN. OR ("5524022").<br>URPN. | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/05/06<br>16:24 |
| L5    | 1    | "4661982".pn.  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/05/06<br>16:25 |
| L6    | 1050 | (graphic\$3 adj equalizer<br>\$1)                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/06<br>16:34 |
| L7    | 640  | 6 and @ad< "20020109"                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/06<br>16:35 |
| L8    | 219  | 7 and filter\$3 and order\$1                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/06<br>16:35 |
| L9    | 32   | 8 and casc\$4  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/06<br>16:35 |
| L10   | 414  | (graphic\$3 adj equalizer<br>\$1).clm,ti,ab.             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/06<br>16:38 |

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| L11 | 8   | 10 and "708"/\$ ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/06<br>16:38 |
| L12 | 326 | 10 and @ad<"20020109"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/06<br>16:39 |
| L13 | 0   | 12 and casc43   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/06<br>16:40 |
| L14 | 10  | 12 and casc43   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/06<br>16:40 |
| L15 | 4   | ("3624539"   "3771071"  <br>"3921104").PN. OR<br>("4271398").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/05/06<br>16:41 |
| L16 | 18  | (US-20020073075-\$ or US-<br>20020034222-\$).did. or<br>(US-6321246-\$ or US-<br>4947360-\$ or US-4653016-<br>\$ or US-5353346-\$ or US-<br>5995542-\$ or US-6269099-<br>\$ or US-4459554-\$ or US-<br>4359778-\$ or US-6307903-<br>\$ or US-6405227-\$ or US-<br>7123728-\$ or US-5572443-<br>\$ or US-4612665-\$ or US-<br>5524022-\$ or US-4661982-<br>\$ or US-4271398-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2008/05/06<br>16:50 |
| L17 | 11  | 16 and graphic\$5   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/06<br>16:50 |
| L18 | 4   | ("4621355"   "4891841").<br>PN. OR ("5524022").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/05/06<br>17:12 |
| S1  | 3   | "4125900".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2007/09/26<br>15:20 |

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| S2  | 2    | "5210806".pn.                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/04<br>15:35 |
| S3  | 2441 | 708/300-323 ccls. and<br>@ad<"20020109"            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>16:00 |
| S4  | 102  | S3 and (cascad\$3 adj filter<br>\$3)               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/16<br>19:57 |
| S5  | 42   | S4 and (transfer\$3 adj<br>function)               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/04<br>15:36 |
| S6  | 42   | S5 and ((first or "1st") and<br>(second or "2nd")) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/04<br>15:37 |
| S7  | 27   | (enhanc\$3 or attenuat\$3<br>or distort\$3) and S6 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/04<br>15:38 |
| S8  | 8    | S7 and 708/320.ccls.                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |
| S9  | 2    | "6233594".pn.                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/04<br>15:52 |
| S10 | 2    | "4947360".pn.                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/04<br>15:48 |
| S11 | 2    | "5353346".pn.                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/04<br>15:48 |

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| S12 | 2471 | 708/300-323.ccls. and<br>@ad<"20020109"                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/16<br>19:57 |
| S13 | 105  | S12 and (cascad\$3 adj<br>filter\$3)                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/16<br>19:58 |
| S14 | 20   | S13 and equaliz\$5                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/16<br>19:58 |
| S15 | 2    | "6233594".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20<br>17:46 |
| S16 | 2    | "4947360".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20<br>17:46 |
| S17 | 0    | animation.in.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/23<br>16:12 |
| S18 | 3612 | animation.ti.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/23<br>16:12 |
| S19 | 340  | animation.ti. and<br>animation.ab. and<br>animation.clm. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/23<br>16:12 |
| S20 | 2    | "20020073075"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/26<br>10:25 |
| S21 | 2    | "6269099".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/26<br>10:25 |

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| S22 | 2   | "6233594".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/24<br>17:30 |
| S23 | 0   | "708"/\$ ccls. and<br>(graphically adj equalizer<br>\$1)                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/24<br>17:45 |
| S24 | 0   | equalizer\$1 and<br>("6233594".pn. or<br>"5353346".pn. or<br>"4947360".pn.) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>16:29 |
| S25 | 187 | (graphical\$3 near10<br>equaliz\$5) and<br>@ad< "20020109"                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>15:55 |
| S26 | 131 | filter\$3 and S25   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>15:55 |
| S27 | 111 | S26 and order\$1  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>15:56 |
| S28 | 26  | S27 and casc\$3   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>15:56 |
| S29 | 18  | 708/300-323.ccls. and<br>@ad< "20020109" and S25                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>16:26 |
| S30 | 14  | 708/323.ccls. and S29   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>16:27 |
| S31 | 1   | recursive and S30   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>16:27 |

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| S32 | 0        | equaliz\$5 and ("6233594".pn. or "5353346".pn. or "4947360".pn.)          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/15<br>16:29 |
| S33 | 619      | "708"/\$.ccls. and @ad< "20020109" and equalizer\$1 and 708/300-323.ccls. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/20<br>17:54 |
| S34 | 105      | S33 and programmable  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/20<br>17:55 |
| S35 | 90       | order\$1 and S34  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/20<br>17:55 |
| S36 | 80       | S35 and (frequency or frequencies)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/20<br>17:56 |
| S37 | 36       | S36 and (spectra or spectrum or spectral)                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/20<br>17:56 |
| S38 | 7        | (first-order or (first adj order) or ("1st" adj order)) and S37           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/20<br>17:57 |
| S39 | 2        | "6233594".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/20<br>18:17 |
| S40 | 21896631 | (graphic\$1 adj equaliz\$5) and "708"/\$.ccls. adn @ad< "20020109"        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/26<br>16:24 |
| S41 | 18       | (graphic\$1 adj equaliz\$5) and "708"/\$.ccls. and @ad< "20020109"        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |

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| S42 | 13   | (US-20020073075-\$ or US-20020034222-\$).did. or (US-4459554-\$ or US-4653016-\$ or US-5353346-\$ or US-4947360-\$ or US-6321246-\$ or US-7123728-\$ or US-4359778-\$ or US-5995542-\$ or US-6269099-\$ or US-6307903-\$ or US-6405227-\$).did. | US-PGPUB;<br>USPAT   | OR | ON | 2007/03/26<br>16:30 |
| S43 | 2    | (graphic\$1 adj equaliz\$5) and S42   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/26<br>16:31 |
| S44 | 11   | 708/300-323.cols. and @ad< "20020109" and cascade\$1 and graphic and equaliz\$5   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/26<br>16:32 |
| S45 | 12   | (graphic\$1 adj equaliz\$5) and filter\$1 and programmable and spectra  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:34 |
| S46 | 15   | 708/300-323.cols. and (graphic\$1 adj equaliz\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:23 |
| S47 | 2556 | 708/300-323.cols. and @ad< "20020109"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |
| S48 | 106  | S47 and (cascad\$3 adj filter\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |
| S49 | 42   | S48 and (transfer\$3 adj function)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |
| S50 | 42   | S49 and ((first or "1st") and (second or "2nd"))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |

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| S51 | 27 | (enhanc\$3 or attenuat\$3<br>or distort\$3) and S50   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |
| S52 | 8  | S51 and 708/320.ccls.   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |
| S53 | 18 | (graphic\$1 adj equaliz\$5)<br>and "708"/\$.ccls. and<br>@ad< "20020109"  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:26 |
| S54 | 14 | (US-20020073075-\$ or US-<br>20020034222-\$).did. or<br>(US-6321246-\$ or US-<br>4947360-\$ or US-4653016-<br>\$ or US-5353346-\$ or US-<br>5995542-\$ or US-6269099-<br>\$ or US-4459554-\$ or US-<br>4359778-\$ or US-6307903-<br>\$ or US-6405227-\$ or US-<br>7123728-\$ or US-5572443-<br>\$).did. | US-PGPUB;<br>USPAT   | OR | ON | 2007/09/26<br>15:34 |
| S55 | 3  | (graphic\$1 adj equaliz\$5)<br>and S54  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:34 |
| S56 | 2  | "7123728".pn.   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/26<br>15:51 |

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